

MAR 21,  
1883.  
Vol. II. No. 12.



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# The Tech.

VOL. II.

BOSTON, MARCH 21, 1883.

No. 12.

## THE TECH.

Published on alternate Wednesdays, during the school year, by the students of the Massachusetts Institute of Technology.

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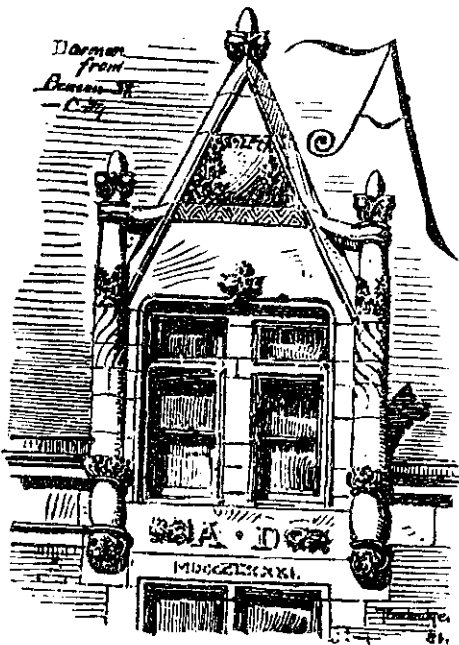
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Spring has again come round the civils will soon be able to commence their outdoor work. The first work of the Juniors will be to make the preliminary survey for a railroad.

When a survey of this kind is to be made, it has always

been the custom at the Institute, and we think is now in other engineering institutions, for the professor to do alone that part of the work which should be taught the engineering student above everything else, — the determination of the line of location of the contemplated road. He should be taught how to exercise his judgment in choosing a line which should be taken in preference to all others, and the reasons why all other locations must be ignored. From what he learns in the course of railroad

engineering he ought to be able, after some experience, to locate a line with intelligence, and not be influenced by the suggestions of unskilful, scheming persons who pretend to know all about railroad location. It frequently happens that great expense has to be incurred in correcting the location of a road which was improperly laid out. Hitherto the work of the student has been brought down to its narrowest limit, but now we are glad to learn that a change is to be made, and the work commenced at the proper place.

FOUR of the events in the coming games have been opened to members of outside athletic clubs, and if our athletes desire to keep the medals in these events it will be necessary for them to put in a considerable amount of good work in the gymnasium during the ensuing fortnight. Our records in the events opened are good, but have been surpassed by those of members of other clubs, and it behooves us to look to our training if we would win the prizes.

THE members of the Lacrosse Association have begun work, and it is intended as soon as the season opens to put a team in the field which will compare favorably with the various teams in existence in the city and suburbs. It is unfortunate that practice could not have been carried on during the winter months, but the gymnasium conveniences would not permit it. The men should run, and practice picking up and passing the ball, and not err as was done last fall in the beginning of the real play too quickly. When such is the case the noble game of Lacrosse degenerates to the rough and tumble "shinny."

### The New Building.

THROUGH the kindness of the Faculty and the architect we are enabled to publish in this number the plans of the new building, active work upon which will begin as soon as the weather permits. The exterior, being of plain brick with freestone trimmings, will not be as imposing as that of the present edifice, but as regards the arrangement of rooms, the heating and ventilating, the new building will be far superior.

The general design is classical, the lower floor having large arched windows, and this feature is repeated in the upper stories, with the exception that the wide window space is divided into three smaller ones. Between the windows, and extending above the roof, are the chimneys, which project one foot beyond the main wall, thus agreeably counterbalancing the horizontal lines formed by the windows. The plainness of the facade is somewhat relieved by the terracotta decoration over the doorway, but it is very evident that more thought and time were spent upon the interior than the exterior, which is perfectly just in a building of this kind.

A novel feature is the use of pressed brick for furnishing the interior walls, there being but little plaster used in the building. Probably the bricks will be painted some light tint to match the ceilings.

The main floor will be devoted to the Department of Physics, and to a large lecture-room to be known as Kidder Hall. To this latter there will be a separate entrance from Newbury Street. In the rooms for microscopic, thermal, and electrical experiments, isolated brick piers will be built up from the basement on which to rest the more delicate instruments, so that they will not be injured by jarring.

We notice in the arrangement of the reading-room, that part of it could easily be partitioned off, and thus form an excellent sanctum for THE TECH. Such a room is sadly needed, and this would be a most suitable position, being on the first floor, and near the library where the exchanges would be on file.

The Architectural Department and the Industrial Museum occupy the second floor, together with a few lecture-rooms. Nothing special need be said of these, except that it is rather unfortunate to have the drawing-room lighted entirely from the side, not from above, but this is partly alleviated by the fact that there are so many windows that the light will be diffused and not direct.

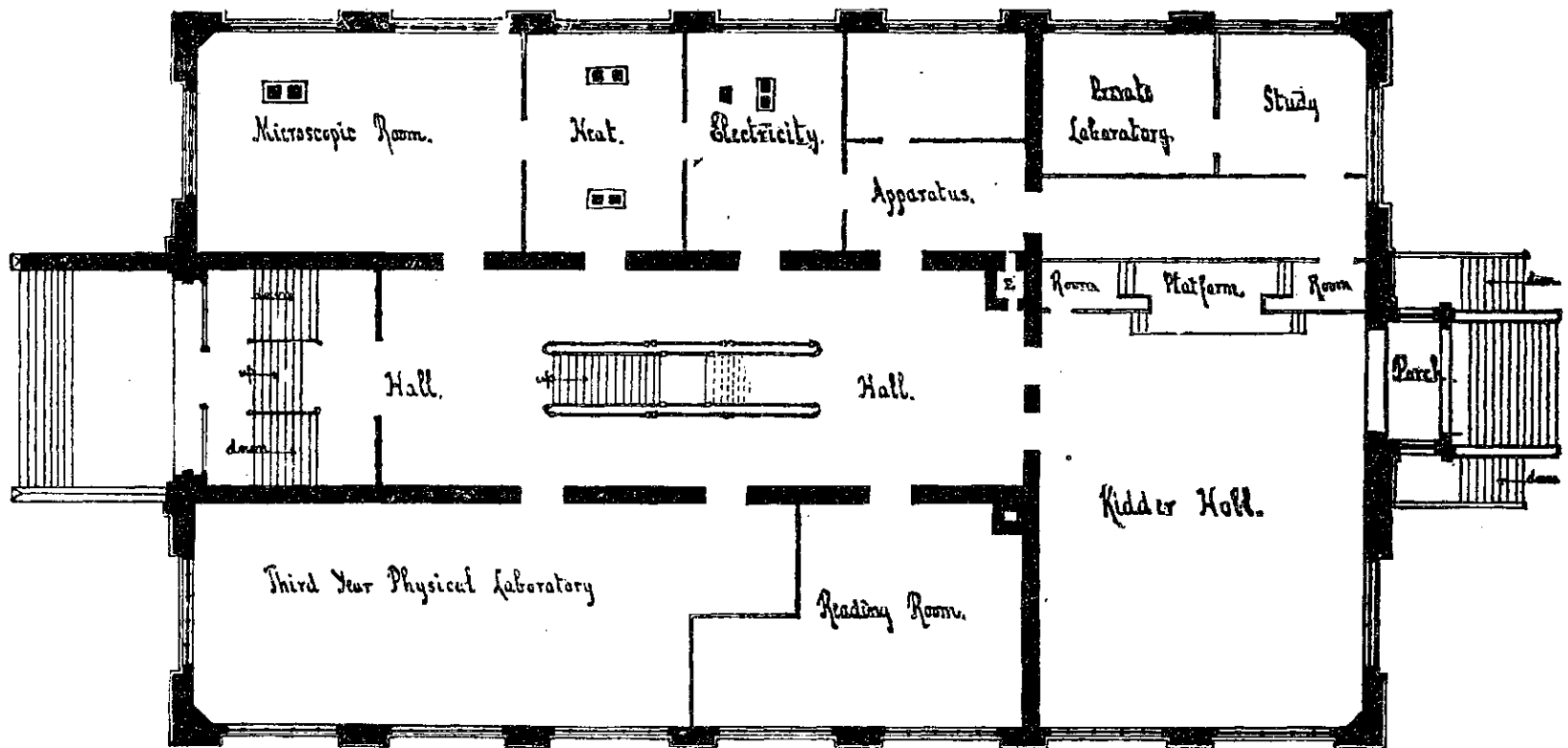
On the third floor, recitation and lecture rooms are predominant. From the small chemical lecture room is a private staircase leading to the laboratories above.

The top story is devoted entirely to the Chemical Department, and contains two large laboratories, weighing-rooms, apparatus-rooms, etc., etc. A small elevator, marked "E" on the drawings, is so situated that the heavier chemicals can be brought up to the laboratories with little trouble. The floors of the end rooms are a foot lower than the general level, and the platform which projects into the laboratories is so constructed as to carry off the heavy, noxious gases to a flue, and from thence to the open air. The rooms are lighted from the side, and also from the top by means of skylights or monitors. From this floor a staircase leads to the roof, where one of the professors has a private room with glass sides and roof.

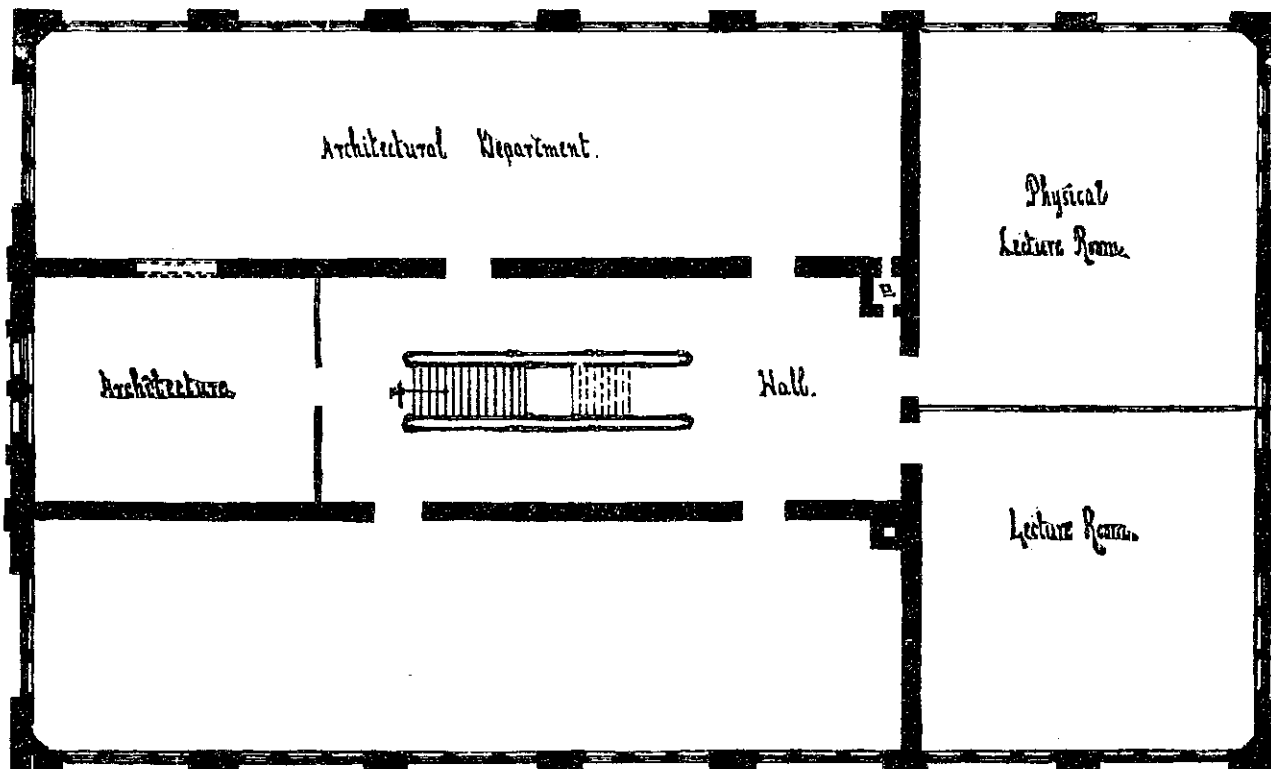
The system of heating is the same as that employed in Huntington Hall, only on a much larger scale. Below the basement, four feet deep, and extending under the entire building, is a chamber in which lie the steam coils. To this chamber fresh air is admitted, and when it is sufficiently heated, it rises by means of the flues to the rooms above. Here the warm air enters the room about eight feet above the floor and the vitiated air is removed by means of registers higher up. The steam will be supplied from the old building, but in case this is found to be insufficient, the boiler in the new building will be used.

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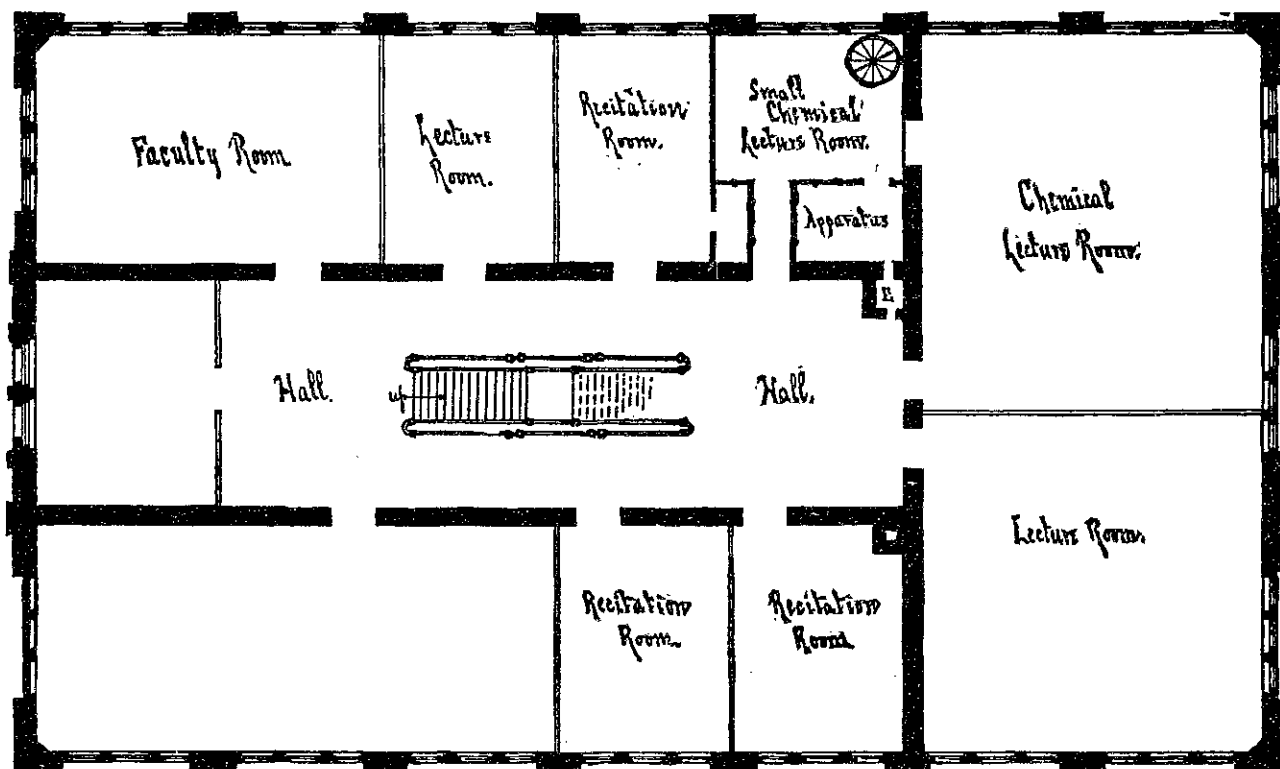
Spring games in the gymnasium Saturday afternoon, March 31.



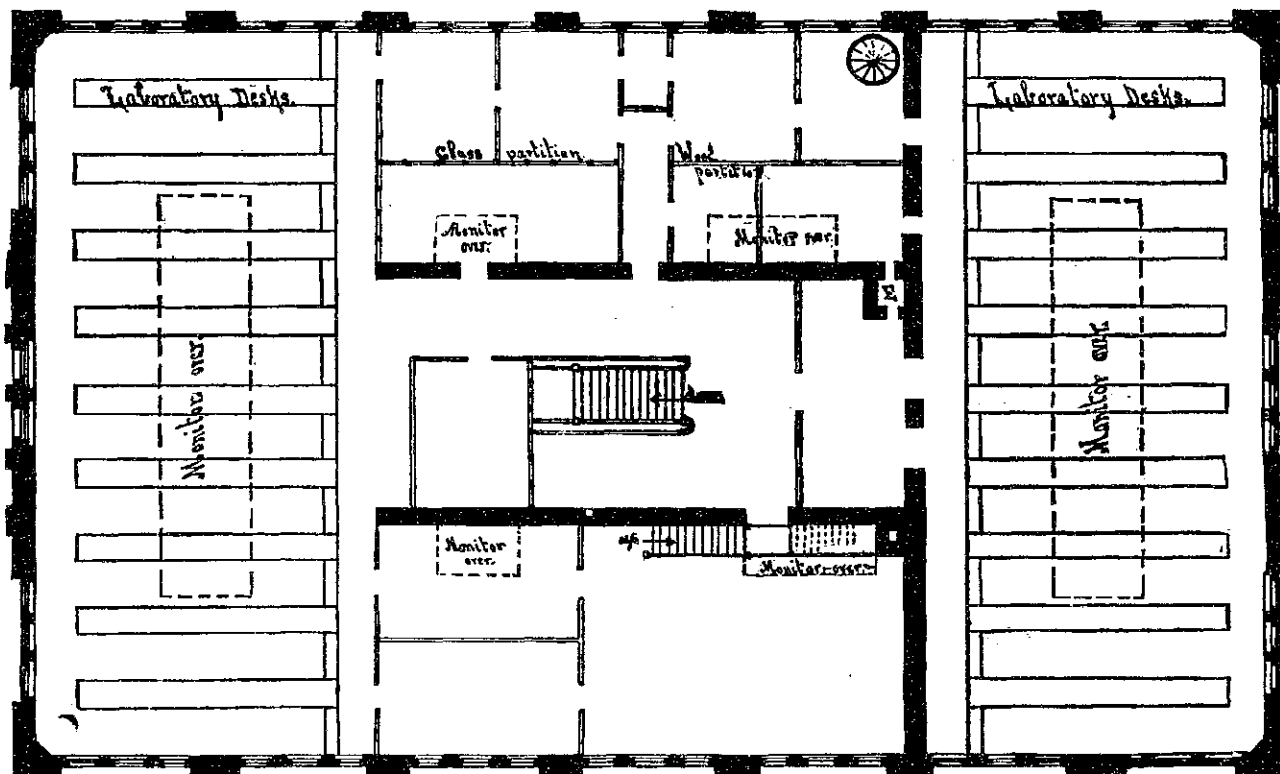
FIRST FLOOR.



SECOND FLOOR.



THIRD FLOOR.



FOURTH FLOOR.

## The Rise and Fall of the Prophet.

## CHAPTER I.

AND it came to pass in those days that there arose in the land of the Canada-ites a prophet, and his name was Wiggins.

The same lifted up his voice and prophesied, saying: Beware, ye men of New England, ye Canada-ites, and ye dwellers in the West; for, behold, in the third month and the tenth day of the month there shall come up a storm, great and terrible, the which shall be attended by fearful winds on land, yea, and direful shipwrecks by sea, and the same shall continue for several days.

And the fame thereof went abroad throughout the land; and the land was filled with weeping and wailing, and great lamentation.

And Wiggins published an almanack with full predictions of the storm, and the sale thereof did bring him in many shekels of silver. And the common people heard him gladly, yea, and the Gloucester fishers refused to go down to the sea in ships during the period of the storm.

And in the country of the prophet there lived a wise man who spake unto himself, saying, Go to, I will build me an ark in the which to launch forth upon the waters when the floods do come, I and my household, my sons and sons' sons, and so forth, and I will place the ark upon the housetop. Verily, it will be an exceeding cold day for them that do not likewise.

And he did so.

## CHAPTER II.

Now it came to pass that, on the tenth day of the third month the skies were darkened, and it did rain from the morning until the even.

And the heart of Wiggins was glad within him, and he did smile, saying, Verily, thus is my prophecy fulfilled.

But on the following day the sun arose, and it was pleasant. And the heart of the great prophet waxed sore within him, so that he did use language most emphatic.

And he said unto the people, Go to, the storm of yesterday was not mine; behold my storm has been delayed; lo! it will surely come on the morrow or the day following. And the people trembled.

And Wiggins stayed all night upon the housetop, if, peradventure, he might see the skies darken; but behold, not a cloud could he perceive. And the stars looked down to gladden his heart.

And when the next day did dawn clear and beautiful with no sign of the fearful winds on land and the direful shipwrecks by sea, the mighty prophet did swear an awful swear, and gnashed sore with his teeth. But still the heavens were clear.

And he went out and spake again to the multitudes, even to the Canada-ites, and to the *Herald* and *Globe* correspondents, saying, Behold, now know I that the storm on the tenth day *was* my storm; for have ye not read of the awful blizzards at the West on that day? Yea, verily.

And they laughed him to scorn; nevertheless there were many that still believed on him to this day.

And the Gloucester fishers still refused to go down to the sea in ships until the days of the storm were ended.

And the days passed by and no floods came, yea, not even a drop of rain fell on the ground from the eleventh day even unto the nineteenth.

And when the time had passed, the great and mighty prophet Wiggins did subside, and was heard no more; yea, and the days did come when even the memory of his name did perish from among men.

And the wise men of Canada, when they saw that the storm was over, did point at him who built the ark, deriding him and saying, Thou fool! now is it an exceeding cold day for thee, in that thou didst not get thy sail.

And he straightway took down the ark from the housetop, and did make it into an habitation for fowls, as it is unto this day.

A. E. L.

### Military Drill.

**W**HY don't the Technology Battalion drill better? This question has been asked time and time again. Many and varied might be the answers.

One reason, and perhaps the principal one, is that there is not enough interest taken in it, the very air about the Institute being laden with a dislike for military drill. It seems to be tolerated only because it is required by law.

When the Institute first started, all the students were required to drill throughout their course, but the time given to it has been repeatedly reduced till now they are required to take drill only during the first year.

The catalogue says: "The Institute provides instruction in military tactics." Now how much instruction can one man give in eight months to a battalion of one hundred or one hundred and fifty members, assisted only by a few officers of whose ability previous to their entrance to the school he knows little or nothing, and who themselves need considerable instruction?

Would it not be better to have the students take up the study two or more years, so that those of the second and after years might lend their aid to the instructor and officers? In this way the men could be taught much faster, and consequently the drill would be much more interesting to all concerned. The drill would then be brought up at least to a level with that of the Boston School Regiment and like organizations, and would be a credit to the Institute.

### Athletics.

**T**HE date of the annual spring games of the Athletic Club fixed upon is March 31, 1883.

The events opened are as follows: Middle-weight tug-of-war, light-weight tug-of-war, running high jump, running high kick, fence vault, standing high jump and pole vault, with perhaps the addition of fencing, sparring, and wrestling. The tugs-of-war are to be limited to four teams.

The following events are to be opened to out-

side clubs: Middle-weight tug-of-war, light-weight tug-of-war, running high kick, fence vault, and putting the shot.

The advisability of including fencing, sparring, and wrestling in the lists is as yet an open question, and one that has raised some discussion. Fencing was included in our last sports, and though perhaps it afforded no remarkable exhibition of skill, yet it compared favorably with the rest of the programme, and certainly was conducive to much amusement. Why not make it one of the events? As regards sparring, there is here an uncertainty. It may be made one of the most entertaining of athletic exhibitions, or it may be made one of the lowest and most vulgar. A truly scientific match between skilled opponents is well worth seeing, but a bout between comparatively unskilled men would be rather apt to tend to the slugging order of entertainment and be anything but interesting, especially to the fairer sex. If, then, the athletic club feels confident of her men and sure of a first-class exhibition, we should by all means advise the addition of sparring to the order, otherwise not.

Wrestling belongs to the rougher class of athletics, suitable and attractive enough to the gentlemen, but hardly appropriate or edifying to the ladies. Thus it is recognized at Harvard, Yale, and elsewhere; why should we undertake to revolutionize custom and drag it in to be witnessed by ladies?

Since the decease of base-ball at the Institute, there has been no game suitable for spring. Lacrosse bids fair to fill the vacancy. The association formed last November contains thirty men, and with the increasing interest, it is hoped that its numbers will be largely augmented.

The agent's refusal to allow the mechanical students to continue their work at the Amory Mill was certainly complimentary to the observing and investigating faculties of the students, although it was disappointing to those who wished to have the advantages of working in so fine a mill.



## Department Notes.

At a recent meeting of the American Society of Civil Engineers, a communication was read from the Engineering Society of Michigan University, requesting the co-operation of the society relative to the granting of the degree of Civil Engineer by colleges, and a committee was appointed to take the matter into consideration.

It would be worth while for the Civils to notice the plans, shown in the last *Engineer*, of a cheaply constructed and convenient thirty-foot hand derrick for unloading or loading stone and heavy timber.

A school of carpentry has been established in connection with the University of Atlanta. According to the *Commercial Bulletin*, several buildings for farming purposes, a blacksmith shop, a fine dormitory, and some of the prettiest cottages in Atlanta have been erected by the students.

Students studying mill-work will find in the *American Machinist* of March 24 a description of the "Framing and Chimney of the Holyoke Machine Company's new Shops," which it will be worth their while to read. In the same paper an engraving of the Colt disc engine applied to a dynamo is worthy of notice, as embodying the neatest and most compact arrangement for this purpose which we have ever seen.

Good blue copies may be taken by means of the electric arc light, though a longer exposure is required than is necessary in direct sunlight. The *Mechanical News* says: "The managers of the Smithsonian Institution have undertaken the addition to it of a new and eminently interesting feature. Its design is to present, in all the leading branches of mechanical and manufacturing industry, examples on the one hand of the old, crude, and primitive appliances which exist as relics of a past age, and on the other the most approved specimens of American machines

or devices which those arts in their modern state afford." Such an exhibition cannot fail to be very instructive.

Arrangements had been made for the entire second-year class in mechanical engineering, with some members of the senior class, to have practical work in mill draughting and knowledge of mill machinery by a series of trips to the Amory Mill at Manchester. Saturday being the only day for which arrangements could be made, it was decided to take these afternoons, substituting Monday afternoon as a holiday. After one trip to Manchester the agent of the Amory objected to further visits of the students, on the peculiar ground that they were using their common-sense in too great a degree, and were carrying away the mill secrets which it had taken the managers many years to accumulate and apply to the business. The Tremont and Suffolk Mills in Lowell have, however, been opened to the department, and regular work will go on there for the next five or six weeks. The first Lowell trip was made on Saturday last.

The late transit of Venus curiously proved the accurate calculations of the ancient makers of that famous horological curiosity, the Strasburg clock. A few days before the transit, the *American Register* tells us, visitors to the cathedral inspecting in the planetarium attached to the clock noticed that one of the small gilt balls representing Venus was gradually moving toward a point between the sun and the earth, and on the day of the passage the ball stood exactly between them. Old Conrad Dasypobius, the Strasburg mathematician, superintended the manufacture of the clock and its accompanying planetarium some time between 1571-74, the dates differing according to various authorities; and it is interesting to note that, after three hundred years of existence, the clock faithfully fulfils the calculations of its dead inventor.

— *Ex.*

[We are of the opinion that we are not quite sure whether we can positively say that we are fully confident that the above account is worthy entire credence — *Eds.*]

The *Builder and Wood Worker* gives the following as the velocities required for wood-working machinery: "Circular saws at periphery, 6,000 to 7,000 feet per minute; band saws, 2,500 feet; gang saws, 20-inch stroke, 120 strokes per minute; planing machine cutters at periphery, 4,000 to 6,000 feet. Work under planing machine 1-20th of an inch for each cut. Moulding machine cutters, 3,500 to 4,000 feet; squaring up machine cutters, 7,000 to 8,000 feet; wood-carving drills, 5,000 revolutions; machine augers, 1½-inch diameter, 900 revolutions; ditto, ¾-inch diameter, 1,200 revolutions; gang saws require for 45 superficial feet of pine per hour, 1 horse power. Circular saws require 75 superficial feet per hour, 1 horse-power. In oak or hard wood, three fourths of the above quantity require 1 horse-power.

"Sharpening angles of machine cutters: adzing soft wood across the grain, 30°; planing machines, ordinary soft wood, 30°; gauges and ploughing machines, 40°; hard-wood tool cutters, 50° to 55°."

The double-ended transfer boat "Solano," which runs across the Straits of Carquenez, between Benicia and Port Costa, is the largest boat of her class afloat. Her dimensions are as follows: Length over all, 424 feet; height of sides, 18 feet 5 inches; extreme width over guards, 116 feet; draught, light, 5 feet; loaded, 6 feet 6 inches. Registered tonnage, 3,541.31 tons.

She has two vertical beam engines, cylinders 60 inches diameter, 11 feet stroke. Wheels, 30 feet diameter, with 24 buckets, 17 feet face. Engines are driven by steam from eight steel boilers, each 28 feet long, 7 feet diameter, containing 143 tubes, 4 inches in diameter.

The engines are placed on the centre line of the boat eight feet fore and aft of the centre of the boat, making distance between shafts 16 feet. The object of this arrangement is to give room on deck for four railroad tracks,—and each wheel being driven by an independent engine, the boat is more easily handled in entering slips.

There are four balanced rudders at each end of the boat, 11 1-2 feet long by 5 1-2 feet deep, coupled together and worked by hydraulic steering gear.

Upon the deck are four tracks extending the entire length, with capacity for forty-eight freight cars, with locomotive, or twenty-four passenger coaches of the largest class.

It is a fact often referred to that, upon railways lying north and south, trains moving northward have, on account of the earth's rotation, a tendency to leave the track and pass to the east, while those moving southward tend to pass to the west; and it is sometimes stated that this tendency is so strong as to cause the majority of derailments to take place toward the side indicated by this theory. If people stopped to consider how very small the force due to this cause really is, such statements would not be made. A writer in *Van Nostrand's Magazine* for February takes the trouble to find, by a simple calculation, the lateral force that would be thus exerted on a forty-ton locomotive running at the rate of forty-one miles an hour. This force would vary in different latitudes, being zero at the equator, and gradually increasing toward the poles. In latitude forty degrees, it would be only seven pounds, or the same as would be experienced in rounding a curve of over 243 miles' radius! This lateral impulse would be always toward the right in the Northern Hemisphere, and toward the left in the Southern Hemisphere, and would be exactly the same in amount, whether the train ran north, south, east, west, or in any direction whatever, — a fact not generally appreciated.

The Senior mechanical engineers have now all begun upon their thesis work, and are employed as follows: Bryant is making an original design and detail drawings for a locomotive boiler. Chase is struggling with the subject of cotton spinning, including the effects of electricity. Davis is investigating the merits of heat engines using permanent gases as the working fluids. Foran is hard at work on a test of an engine and

boiler at East Boston. Gale is experimenting on the efficiency of incandescent electric lamps. Hutchings is evolving an essay on "Motors suitable for Electric Lighting Purposes." Kerr is engaged upon the ambitious project of making complete designs for a ten thousand spindle mill for spinning cotton warp, to be located on the Cape Fear River, North Carolina. His problem includes the subjects of building, water power, heating and fire apparatus, and the speeds and classes of machinery to be used. Scott is experimenting on the effects of speed upon cylinder condensation in the Harris-Corliss engine. The above will show that the boys have laid out plenty of work for themselves during the rest of the term. A wish frequently expressed is, that we could have the examinations now, and then two months clear for the theses. But this is, we suppose, too much to hope for.

It was a member of '86, and a high private in our battalion, who in paying a visit to a neighboring town purchased and wore a sergeant's cord upon his cap in order that he might *shine* in the eyes of the damsels of that place and carry grief to the hearts of the country gallants.

MARCH 13, 1883.

DEAR EDITOR :— Do you not think it unwise to use girls' names promiscuously? For instance, that little poem by Hal, in the last issue, might give rise to something like the following :—

TO HAL.

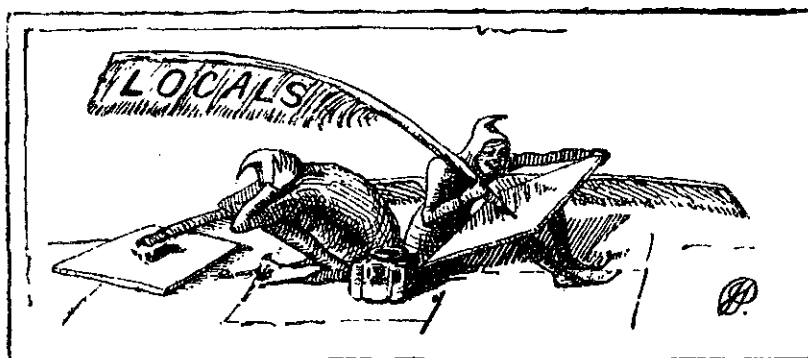
A poem, sir, you chanced to write,  
And thought no doubt 't was very bright  
To show a girl in such a light.

Know, sir, that my slim, slender waist—  
(Perhaps you 'd like to say it's laced)—  
By George's arm was *ne'er* embraced.

Such slander, sir, I cannot stand  
To have sown broadcast o'er the land  
By any one, however grand.

When next you wield poetic quill,  
And want a name to rhyme with *will*,  
Take my advice and use not *LIL*.

D.



The minstrels are prospering.

"Although not an undertaker, I keep a coughin'," said the man with a bad cold.

Chauncy Hall gives a hop in the gymnasium March 20.

"Surely, all things of this life are transient" ('cept du P.'s hat).

The third year Civils pass off their notes in hydraulics as checks, at the Chinese laundry.

The men studying third-year hydraulics are not "sleek men, and those that sleep o' nights."

How many times must a Portuguese sailor be speared before he falls? (See Taylor or Finley.)

Mr. F——, '84, did not receive \$1,000 for singing one night for Col. Mapleson as reported.

Mr. Baldwin, '84, was elected secretary of the M. I. T. A. C. in place of Mr. Pratt, '85, who resigned.

W——, '84, is endeavoring to outdo the record of the lightning draughtsmen of Bowdoin. He commenced his drawing the first of the term.

Billy has commenced his spring practice in running. During the last week he made pretty quick time between the Institute and the corner.

A few days ago one of the men in the first-year laboratory was heard to inquire for a piece of cold porcelain to powder up with his known of Class III.

The cadets are to give an exhibition drill and informal dance Saturday afternoon, April 7. The men all seem to be in favor of it, and a very pleasant time is anticipated.

One of the cadets went to the depot the other day to see a friend off. He wore the despised drill-cap, and while waiting for the train to start was approached by a passenger, and thus addressed: "I say, conductor, is there a smoker on this train?"

It is rumored that the manager of the new (dime) Boston museum is trying to obtain the services of F——, '83, in his great effort the "collar act," to be followed by some astonishing feats with the hatchet.

The tender Freshmen have not been permitted by their affectionate mammas to attend a dance in the evening; but now, as the days are growing longer, they are allowed to give a little afternoon party, after promising to be home before dark. This first social event in their youthful lives will occur April 7, in the gymnasium. The upper classmen will, without doubt, be invited to look on, but of course they will not disturb the children nor *mash* the music.

N. B. — Baby carriages may be called at 5.30 P. M.

MR. EDITOR, — '83, '84, and '85 can stand the unparalleled cheek of *fresh* '86 in giving no semi-annual ball; they can even swallow, without an effort, the unblushing audacity of that class in attempting a new Institute cheer; but when a man (excuse us, boy) is seen around the Institute with hair six inches long, and he a Fresh, their endurance is exhausted, and they hereby give notice if a certain boy, in a very short space of time, does not interview some tonsorial artist they will no longer be accountable for their actions.

Per order the committee,

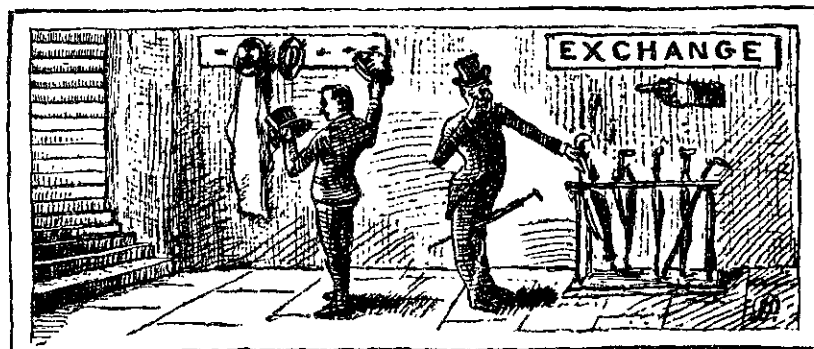
'83, '84, '85.

The following is from a postal-card directed to the "Machinery School, Boston."

STATE CENTRE FEB 21.

Will you please tell me how Your institution is run and What its aim is and if You Would experiment on perpetual motion for half the enterprise in the united States if You had a good theory advanced that looks reasonable and the cost would not be more than the cost of a dump cart Yours truly

marshall, Co, Iowa.



THE present dearth of college news, though rather unfortunate for the exchange editors, is one of the best indications of a general contentment and prosperity throughout the colleges. People say very little so long as they are satisfied. It is about this time that the best work of the collegiate year is done; perhaps it is because of a desire to make up for lost time as the conviction dawns upon us that we have only about two months more; perhaps it is only due to spring. Another effect of the season which turns a young man's fancy is to bring the poets of the college journals out in force. We have transferred several of their productions to this number of THE TECH, and they will give a better idea of what is current, and the prevailing style in college poetry, than any words of ours.

The air of Williamstown seems peculiarly adapted for bringing out any poetry latent in the young collegian, and strangely enough it is generally poetry of a considerable degree of merit as it reaches the outside world in the pages of the *Argo* and *Athæneum*. The poets' corner of these two papers has always been a particularly roomy corner, and has been the source of much of the best verse which has circulated among the college press. The publication and support of two such papers speaks very well for the public spirit and literary ability of the students of Williams College.

Another paper whose lines have fallen in pleasant places is the Michigan *Argonaut*. The students evidently do not consider that their duty towards the paper ends with a subscription. The *noms de plume* of the various contributors appear so frequently that the writers are beginning to be recognized as old friends.



We cannot forbear, in this connection, to ask once again in behalf of THE TECH for more general contributions from the students of the Institute. It is only by them that the standard of the paper can be raised. The editors have quite all they can do at present. Work for the paper cannot fail to benefit the contributor by increasing his exactness and care in writing, and we would remind all aspirants for an editorship that over half the present board will go with '83, so that whatever may become of the remainder, five new men at least will have to be selected from the present contributors to the paper. The liberal prizes offered in the first number of this volume are, with exception of that for an Institute song, still open, and should not fail of their object.

*The Princetonian* is to be added to the too small list of college weeklies. As the current number says: "It is impossible to keep up with college topics with a biweekly. In the course of a fortnight many subjects deserving attention become stale, and must therefore go unpublished."

We take pleasure in calling the attention of our readers to the *Mechanical News* of March 15 as an exceedingly valuable and interesting number of that journal. The *News* deserves specially to be commended for its excellent illustrations, which in this issue comprise, among other things, a double-page illustration of the shops of James Leffel & Co., Springfield, Ohio, and a series of views of the remarkable rock confirmations on the Canton River in Southern China. Articles worthy of notice are "Chaining the Winds," which is a description of the various forms of wind-mills in use in this country, with cuts of about a dozen different kinds, ancient and modern; and an account of a proposed "Hydraulic System for Excavating the Channel Tunnel," which will be of interest to our engineering students.

*Van Nostrand's Engineering Magazine* for this month contains the following articles which may be of interest to the students: An article

by Prof. George L. Vose on "The Training for Students in Civil Engineering"; an abstract of C. J. H. Woodbury's report to the New England Cotton Manufacturers' Association on "Electric Lighting in Mills"; an account taken from the *London Times* of the "Gunnery Experiments at Spezzia"; an article on "The Panama Canal" from the *Nautical Magazine*; and the beginning of a very good series of lectures on "Dynamo Electric Machinery," by Prof. Sylvanus P. Thomson, from the *Journal of the Society of Arts*.



The stamp act — a clog dance. — *Lampoon*.  
Class canes are in vogue at Michigan University.

My lady trips with dainty haste  
Across the newly fallen snow,  
And leaves the print of flitting feet  
Her chosen path to show.

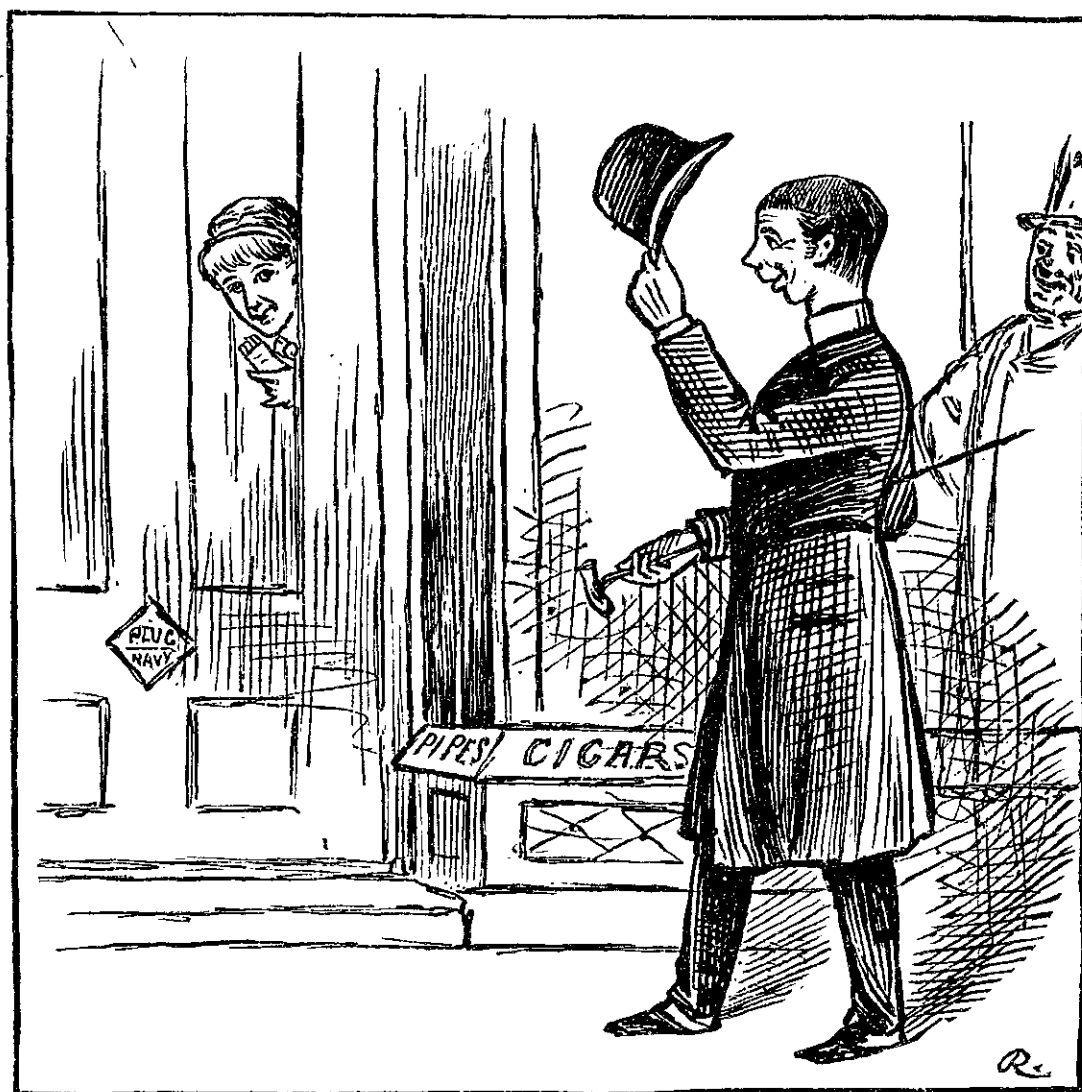
Yet when I fain would follow her,  
No lingering traces point the way; —  
For why? the amorous Sun in haste  
Has kissed them all away. *Lampoon*.

A spectrum line of helium has been discovered in the lava of Vesuvius. How in helium it got there is not known, but 'spect rum had something to do with it. — *Com. Bulletin*.

My lady love has golden eyes,  
And hair of deepest blue;  
Her tapering teeth two lips disguise,  
That mock the raven's hue.

Her ashen ears in wavy curls  
Nigh travel on the ground,  
While lashes pink, like rows of pearls,  
Conceal two feet profound.

That epithets are quite correct  
I venture not to say;  
But what on earth can you expect  
When one writes every day? *Record*.



'86 (*loquitur*). "JOVE! FINE GIRL. CIGARETTES TOO."

One of the most poetical of the recent productions of the college muse is this from the *Harvard Advocate*: —

#### THE CARDINAL FLOWER.

Upon the bank the deep-red flower shone  
Amid the autumn grass, embrowned and sere,  
A tiny dewdrop sparkled thereupon  
In semblance of a tear.

Above, a flock of tardy birds took flight  
Unto the meadows of a sunnier clime;  
And in the west gathered the gloomy night, —  
The night of autumn time.

Beside, the river, flowing to the sea,  
Made low lament, blown over by the breeze,  
For summer's death; and the same threnody  
Sang the wind-shaken trees.

I did not pluck the flower that bloomed so fair,  
But left it, bannerwise, to swing and wave, —  
To fade, and mingle with the wave-grass there,  
Over September's grave.

#### UPON THE SHORE.

Down on the shore the maiden stands,  
Stretching her gleaming, pallid hands  
Out to the hungry, foaming sea,  
Where the wild winds sweep in their horrid glee.

Breakers are kissing her naked feet,  
Her hair is covered with snow and sleet,  
Still she stands like a tortured ghost,  
Asking the sea for what is lost.

"O ravenous sea, O cruel sea!  
Why hast thou taken my all from me,  
So fair and so bright, and now, alack! —  
Will those you have taken ne'er come back?"

"O terrible sea, O hungry sea!  
List to the prayer I raise to thee."  
But the sea still laughs as it sweeps away,  
And the winds with her tangled tresses play.

Still through the night the maiden stands,  
Down on the icy-coated sands,  
While from her eyes the tear-drops flow;  
She has lost her shoes in the undertow!

*Athenæum.*

THE TECH.

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'84's curiosity is growing rich.

A band of Indians from the far West recently visited New Haven, and when they heard the Yale boys yell they drew apart and wept to think how they had been fooling themselves for years with the idea that they knew how to howl. —

*Boston Post.*

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A Freshman hesitates in  
the word *connoisseur*. Prof.  
—"What would you call a  
man who pretends to know  
everything?"

Freshman—"A Professor."  
—*Chronicle*.

A German poet has said:  
"The night hath a thousand  
eyes, and day but one." Yes,  
but a Sophomore will tell you  
that as a general thing the  
day has the largest head. —  
*Orient*.

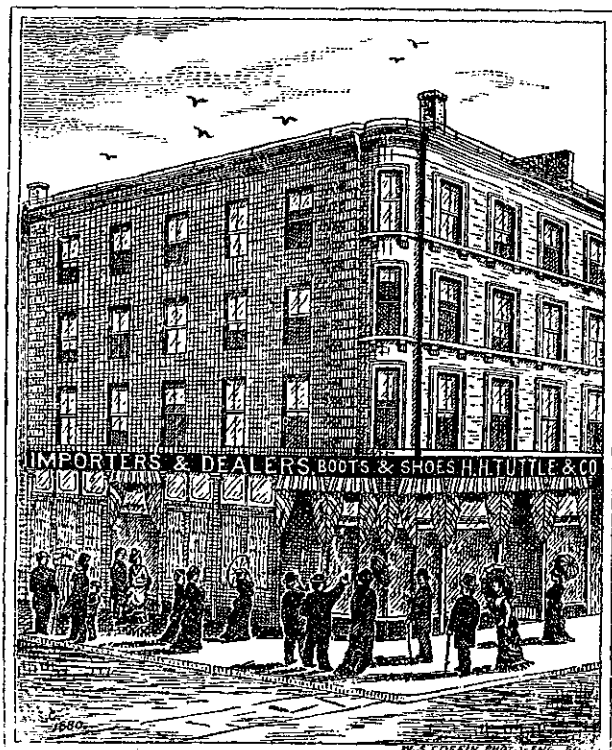
## RICHMOND Straight Cut No. 1 CIGARETTES.

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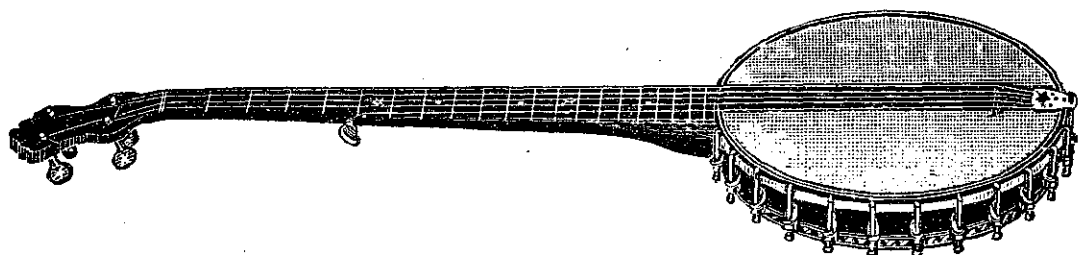
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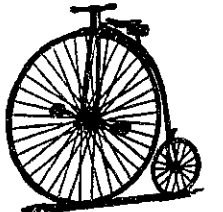
An '84 civil, the other evening, won the heartiest approbation as his manly form made a second appearance upon the stage . . . this time for the purpose of carrying off a chair.

We notice by the *Railroad Gazette* that Mr. F. G. Darlington, '81, has been appointed Engineer of Maintenance of Way of the P. C. & St. L. R. R.

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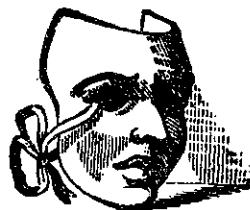
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